Converting Colors

XYZ(75.9578, 83.1667, 93.6886)

Have a look what the booklet for XYZ(75.9578, 83.1667, 93.6886) contains.

Color

XYZ(75.9617, 83.1806, 93.7132)

Conversions

Conversions Part 1

Format	Color
Hex	DCEFEF
RGB	220, 239, 239
RGB Percent	86%, 94%, 94%
CMY	0.1372, 0.0627, 0.0627
CMYK	0.08, 0.00, 0.00, 0.06
HSL	180°, 37%, 90%
HSV	180°, 8%, 94%
XYZ	75.9617, 83.1806, 93.7132
YIQ	233.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

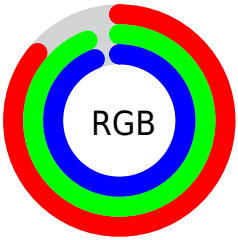
Format	Color
RYB	220, 230, 239
Decimal	14479343
CIELab	93.09, -6.23, -2.15
CIELCh	93, 6.587, 199.064
Yxy	83.1806, 0.3004, 0.3290
Android (android.graphics.Color)	4292669423 (0xFFDCEFEF)
YUV	233.3190, 2.8007, -11.6808
Hunter-Lab	91.2034, -10.9365, 2.9208

Details

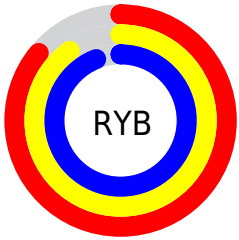
The XYZ color 75.9617, 83.1806, 93.7132 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 74.1111, 74.7067, 78.2278, and the grayscale version is 77.6800, 81.7254, 88.9990.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 40.9978, 45.2852, 51.3799 is the 20% darker color. If you saturate the color by 10%, you get 69.2390, 79.7173, 93.3969, and if you desaturate by 10%, it is 83.7233, 87.1841, 94.0816.

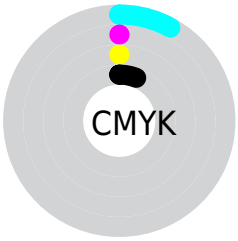
Distribution



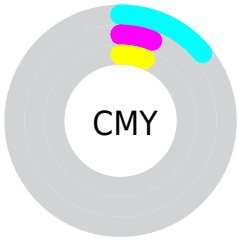
- Red (86%)
- Green (94%)
- Blue (94%)



- Red (86%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9617, 83.1806, 93.7132 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.9617, 83.1806, 93.7132 by changing the saturation by 10% instead.

75.9617, 83.1806, 93.7132

75.9617, 83.1806, 93.7132

470.1630, 505.5882, 560.9159

56.6980, 62.3391, 70.4735

126.6534, 137.8284, 154.4659

41.0021, 45.3068, 51.4334

158.8122, 172.4035, 192.8159

28.5084, 31.6991, 36.1746

196.0000, 212.3253, 237.0398

18.8516, 21.1318, 24.2783

238.5823, 257.9781, 287.5561

11.6665, 13.2204, 15.3261

286.9244, 309.7465, 344.7833

6.5876, 7.5805, 8.8994

341.3916,

3.2496, 3.8277,

368.0147, 409.1400

402.3494, 433.1671, 481.0447

4.5797

1.2871, 1.5777, 1.9485

0.1735, 0.3425, 0.5233

75.9617, 83.1806, 93.7132

75.9617, 83.1806, 93.7132

69.2390, 79.7173, 93.3969

83.7233, 87.1841, 94.0816

63.5044, 76.7610, 93.1251

87.6896, 89.2287, 94.2707

58.7135, 74.2913, 92.8974

87.6902, 89.2289, 94.2741

54.8157, 72.2820, 92.7116

87.6909, 89.2292, 94.2776

51.7559, 70.7047, 92.5649

49.4726, 69.5277, 92.4546

47.8960, 68.7150, 92.3774

46.9440, 68.2243, 92.3294

46.5036, 67.9974, 92.3054

87.6915, 89.2295, 94.2811

87.6922, 89.2297, 94.2845

87.6929, 89.2300, 94.2880

87.6935, 89.2302, 94.2915

87.6942, 89.2305, 94.2949

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

75.8431, 83.1806, 88.7762

75.9617, 83.1806, 93.7132

76.9036, 83.1806, 97.9499

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

75.9617, 83.1806, 93.7132

81.5973, 83.1806, 96.9485

79.6927, 83.1806, 81.5443

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

75.9617, 83.1806, 93.7132

74.1111, 74.7067, 78.2278

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

81.2577, 83.1806, 83.5696

75.9617, 83.1806, 93.7132

82.3680, 83.1806, 92.3868

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

75.9617, 83.1806, 93.7132

80.1509, 83.1806, 99.8643

82.2428, 83.1806, 87.4970

77.9804, 83.1806, 81.8702

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

75.9617, 83.1806, 93.7132

77.8793, 83.1806, 99.7508

82.2428, 83.1806, 87.4970

80.2539, 83.1806, 81.9697

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

75.9641, 83.1841, 93.7150

93.1984, 99.0455, 108.8125

73.3983, 82.1689, 79.7033

19.9677, 21.2098, 23.2913

0.0000, 0.0000, 0.0000

20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

75.9641, 83.1841, 93.7150

86.2821, 95.4801, 108.4857

73.3434, 77.9420, 92.8441

16.2473, 17.9289, 20.3252

25.6638, 37.5575, 51.0058

2.1350, 3.1245, 4.2434

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

74.1111, 74.7067, 78.2278

83.6113, 83.2611, 86.1630

76.5880, 79.6612, 79.0511

15.7730, 15.7589, 16.3608

19.6717, 10.1411, 0.9216

1.6365, 0.8437, 0.0769

Previews

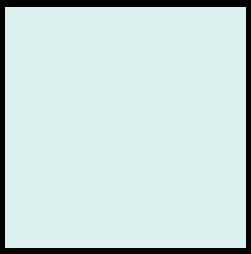
White Background

This preview shows how the XYZ color 75.9617, 83.1806, 93.7132 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



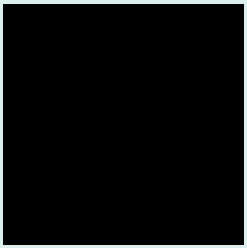
This preview shows how the XYZ color 75.9617, 83.1806, 93.7132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 75.9617, 83.1806, 93.7132 Background



This preview shows how black text looks on a background with the XYZ color 75.9617, 83.1806, 93.7132.

This preview shows how white text looks on a background with the XYZ color 75.9617, 83.1806,

93.7132.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

Original Color
75.9617, 83.1806, 93.7132

Protanopia
80.1597, 83.2525, 91.2013

Deuteranopia
84.8606, 83.0977, 94.7859

Tritanopia
78.4769, 82.8989, 106.4727

Trichromacy

Original Color
75.9617, 83.1806, 93.7132

Protanomaly
78.5602, 83.2611, 92.0512

Deuteranomaly
81.2027, 82.8817, 94.1560

Tritanomaly
77.5073, 82.9375, 101.5460

Monochromacy

Original Color
75.9617, 83.1806, 93.7132

Achromatopsia
77.4512, 81.4847, 88.7368

Achromatomaly
76.6986, 81.9088, 90.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9617, 83.1806, 93.7132 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(220, 239, 239) looks like.

```
.text, #text, p{
    color:rgb(220, 239, 239)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(220, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 239) }
```

Border

The CSS property to change the border of an element to XYZ 75.9617, 83.1806, 93.7132 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 239, 239) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(220, 239, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(220, 239, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 239, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 239, 239); box-shadow:4px 4px 4px 4px rgb(220, 239, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9617, 83.1806, 93.7132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(220, 239, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(220,
239, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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